

Example

Name _____ Date _____ Block _____

CARD MATCHING – Distance-Time Graphs, Stories, and Tables

Find the 4 sets of 3 cards (one graph, one story, and one table in each) that go together. Record the letters for the set, then cut it out put it on this sheet. Next, **explain how you know** that set goes together. You can draw/write on the graph, mention specific parts of the story, talk about the general graph shape, how speeds within a story relate to each other, etc.

Match 1:

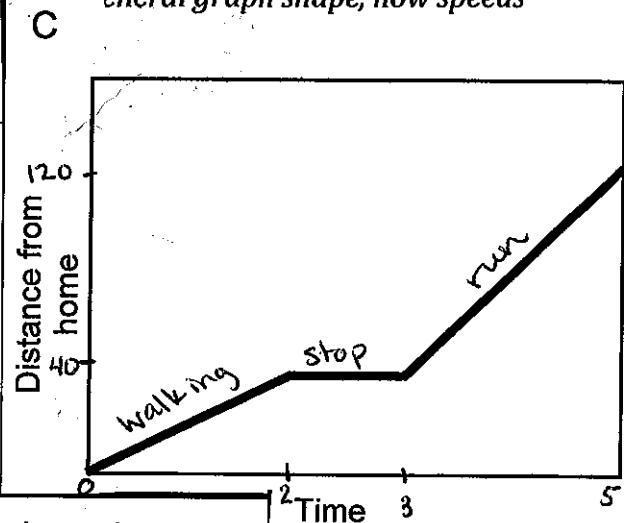
C H V
(graph) (story) (table)

Explanation: Tom keeps going away from home and never comes back toward it. There is a horizontal segment in the middle where Tom is stopped (and this shows on the table at $t=2$ and $t=3$). The first line segment

is flatter than the last, which means Tom was going more slowly at the start and faster

at the end. This shows up in the table as smaller change in distance ($\Delta d=20$) at the start and bigger ($\Delta d=40$) at the end.

4 Tom walked slowly along the road, stopped to look at his watch, realized he was late, and then started running.



V

Time	Distance
0	0
1	20
2	40
3	40
4	80
5	120

Match 2:

_____, _____, _____
(graph) (story) (table)

Explanation:

V Place Cards Below V
V V